

# Derek Ni

(703) 675-8732 | dan82@cornell.edu  
<https://derekni.com> | <https://github.com/derekni>

## Education

---

### Cornell University

*B.S. Computer Science; GPA: 4.13*

Ithaca, NY

*Expected May 2022*

Courses: Object Oriented Programming and Data Structures, Discrete Structures, Data Structures and Functional Programming, Intro to Backend Development, Multivariable Calculus, Linear Algebra, Basic Engineering Probability and Statistics

### Thomas Jefferson High School for Science and Technology

*GPA: 4.48 (weighted), 3.88 (unweighted); SAT: 1580/1600*

Alexandria, VA

*June 2019*

Webmaster of Mobile Apps Club, Captain of Varsity Tennis Team, National AP Scholar, National Merit Finalist

Courses: Mobile App Development, Web App Development, Artificial Intelligence

## Work Experience

---

### MITRE

*Software Engineer Intern*

McLean, VA

*May 2020 - August 2020*

Wrote Python and shell scripts to evaluate results from 5 synthetic audio machine learning models, tested audio identification on real and synthetic audio, and generated synthetic images using GANs.

### Cornell University

*CS 2110 Consultant*

Ithaca, NY

*August 2020 - Present*

Host weekly office hours to help students with object oriented programming and give feedback to students on coding assignments, quizzes and exams.

## Projects

---

### Jimmy Jumper

A mobile runner game where the player runs and jumps on platforms in the sky. Coded using C# in Unity.

### Johnny Jumper

A mobile jump game where the player jumps on platforms to reach the sky. Coded using JavaScript with Phaser.

### Othello AI

Python program that evaluates future board states using varying heuristics to choose the best move to make.

### TaskTime

Productivity app to motivate users to complete to-dos through a points system. Coded using Swift in XCode.

## Organizations

---

### Cornell ACSU

*Academic Officer*

Ithaca, NY

*October 2019 - Present*

Organize and host on-campus academic events like mock interviews and coding workshops.

### Southgate GIVE

*Center Manager*

Reston, VA

*September 2015 - June 2019*

Managed scheduling, outreach and tutoring for tutoring program at local community center.

## Skills & Interests

---

**Skills:** Python, Java, C#, Swift, JavaScript, HTML and SQL

**Interests:** Reading, tennis, piano, podcasts and running